

## Technical Leaflet

# Epoxy Hardener G-91

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Epoxy Hardener G-91 is a modified imidazole hardener producing epoxy powder coatings with excellent mechanical properties, also at low temperature curing conditions.

### Technical Data:

Appearance	Granules
Softening Point	92 - 105 °C

### Application and properties:

Powder coatings with Epoxy Hardener G-91 can be cured at temperatures as low as 130 °C. Reducing energy costs and offering the powder coater flexibility in curing conditions as well as the possibility to coat heat sensitive substrates are the advantages.

When medium and low gloss finishes are desired, Epoxy Hardener G-91 can be used in combination with Epomatt G-152 to formulate powder coatings with a wide range of possible gloss levels.

<b>Suggested formulations</b>	<u>White</u>	<u>Black</u>
Epoxy Resin (E.E.W. 650-850)	100	100
Epoxy Hardener G-91	6.0	6.0
Resiflow PV 88	1.5	1.5
Titanium Dioxide	50	--
Calcium Carbonate	--	47
Carbon Black	--	3

### Curing conditions

10 minutes at 200 °C or 20 minutes at 150 °C.

<b>Film properties</b>	<u>White</u>	<u>Black</u>
Thickness µm	56	56
Indirect impact	160	160
Direct impact	160	160
Pencil hardness	3H	3H
60° Gloss	97	98
MEK double rubs	50+	50+